

# METHOD OF CONTROLLING A VEHICLE BONNET ACTUATING ASSEMBLY FOR SAFEGUARDING PEDESTRIANS IN THE EVENT OF IMPACT AGAINST THE FRONT BUMPER OF THE VEHICLE

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**Cited documents:**

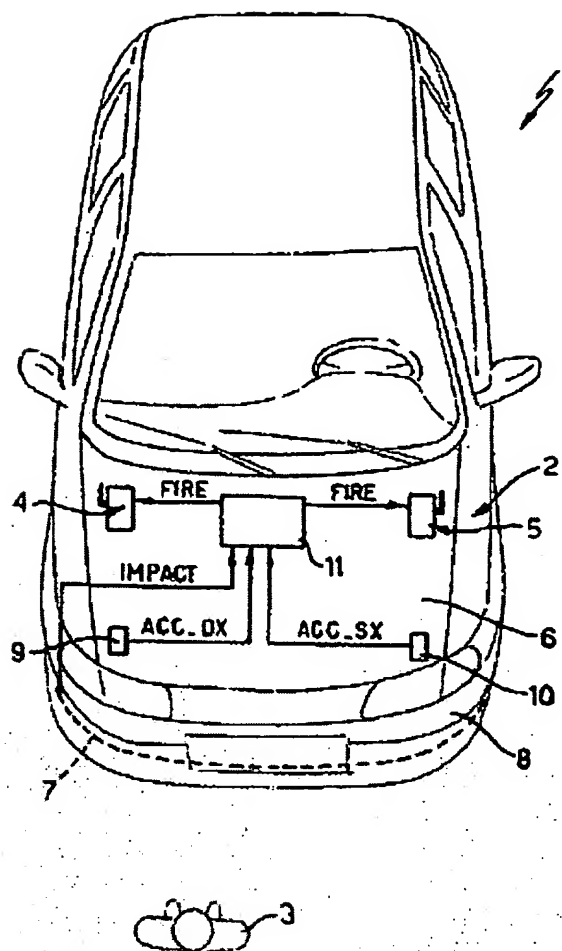


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## Abstract of WO2004054850

There is described a method of controlling a bonnet actuating assembly (2) of a vehicle (1) to safeguard pedestrians (3) in the event of impact against the front bumper (8) of the vehicle (1), the method including the steps of: acquiring an impact signal (IMPACT) containing information relating to the presence and/or duration of impact against the front bumper (8); acquiring at least one acceleration signal (ACC\_DX, ACC\_SX) indicating the intensity of impact-induced deceleration of the front bumper (8); comparing the impact signal (IMPACT) with a respective minimum impact value (V MIN); comparing the acceleration signal (ACC\_DX, ACC\_SX) with a respective minimum acceleration value (AMA\_DX\_MIN, AMAS\_XM\_IN); and activating the bonnet actuating assembly (2) when the impact signal (IMPACT) is above the respective minimum impact value (VM\_IN) at least for a predetermined minimum time (CLOSE\_TIME\_MIN), and the acceleration signal (ACCD\_X, ACCS\_X) is above the respective minimum acceleration value (AMA\_DX\_MIN, AMA\_SX\_MIN) at least for a predetermined minimum time (EVENT\_MIN\_AMA).



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